THE SUPERDATE PACKAGE

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1. PURPOSE

The `superdate` package provides the `\superdate` macro that produces the current date and time in the format `YEAR:MM:DD:hh:mm` where

- `YEAR` is the current year,
- `MM` is the current month (from 01 to 12),
- `DD` is the current day (from 01 to 31),
- `hh` is the current hour (from 00 to 23), and
- `mm` is the current minute (from 00 to 59).

This is a sensible format for date/time that puts the most significant data to the left and the least significant data to the right.

It is useful to date papers with `\superdate`, especially when producing multiple versions on a given day.

The separating character is, by default, a colon. This can be changed by redefining the macro `\superdateseparator` like this:

```
\renewcommand{\superdateseparator}{/}
```

Now the output of `\superdate` looks like this: 2013/09/12/21/02.

2. OTHER USER-LEVEL MACROS

A few other handy date/time macros are provided.

- The macro `\hyphendate` produces the current date in the format `YEAR-MM-DD` with leading zeros inserted into the month and date if they are less than 10. Example: Today is 2013-09-12.
- The macro `\ampmtime` produces the current time in 12-hour clock format with the letters 'am' or 'pm' appended. For example, the current time is 9:02 pm. Note that the hour may appear as a single digit, but the minute will always be expressed with two digits by prepending a zero as needed.
- The macro `\miltime` produces the current time in 24-hour format. Example: the current time is 21:02. Both the hour and the minute will be two digits.

Date: 2013:09:12:21:02.

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3. Setting a different date and time

The date and time used by \superdate (and the other macros described in §2) are set from the system clock at the time the superdate package is loaded; that is, at the beginning of the LaTeX run.

The macro \setcl@ck is provided so users can reset the clock later in the document, or to set a date/time different from the current date/time. The syntax is:

\setcl@ck{*time*}{*month*}{*day*}{*year*}

where

- *time* is the time expressed as the number of minutes past midnight,
- *month* is the month expressed as number between 1 and 12,
- *day* is the day of the month expressed as a number between 1 and 31, and
- *year* is the year.

This command should be enclosed between \makeatletter and \makeatother. For example

\makeatletter
\setcl@ck{721}{5}{24}{2009}
\makeatother
\superdate

produces 2009:05:24:12:01.

Note that this does not modify the output of \today which is September 12, 2013.